

WHAT IS CLAIMED IS:

1. A method for selecting members in a hierarchy, comprising:
  - determining a sequence of one or more actions associated with a member selection tree, the actions collectively selecting one or more members from a hierarchy of members, the hierarchy of members being associated with a particular dimension of an organization of data;
  - recording the sequence of actions in a member selection script; and
  - executing the member selection script to select one or more members after the hierarchy of members has been modified.
- 10 2. The method of Claim 1, wherein determining the sequence of actions comprises receiving input of a user from a member selection interface, the member selection interface including the member selection tree from which the user may select one or more members.
- 15 3. The method of Claim 1, wherein one or more of the actions comprise selecting the dimension from which members are to be selected.
- 20 4. The method of Claim 1, wherein one or more of the actions comprise selecting the hierarchy from which members are to be selected.
5. The method of Claim 1, wherein one or more of the actions comprise selecting or deselecting one or more levels of the hierarchy from which members are to be selected, the members being selectable only from selected levels.
- 25 6. The method of Claim 1, wherein:
  - one or more of the actions comprise expanding a member to view the children of the member; and
  - the selection of an expanded member causing only the selection of the expanded member.

7. The method of Claim 1, wherein:

one or more of the actions comprise collapsing a member to hide the children of the member; and

5 the selection of a collapsed member causing the selection of the expanded member and the children of the expanded member.

8. The method of Claim 1, wherein one or more of the actions comprise selecting or deselecting one or more members from the hierarchy.

10 9. The method of Claim 1, wherein the one or more actions are recorded in the member selection script using one or more commands, the commands and one or more parameters associated with each command identifying the one or more actions.

15 10. The method of Claim 1, wherein a user manually generates the member selection script.

11. The method of Claim 1, wherein the member selection script is automatically generated based on input received from a user using a member selection

20 interface.

12. A system for selecting members in a hierarchy, the system comprising one or more software components collectively operable to:

determine a sequence of one or more actions associated with a member selection tree, the actions collectively selecting one or more members from a hierarchy of members, the hierarchy of members being associated with a particular dimension of an organization of data;

5 record the sequence of actions in a member selection script; and

execute the member selection script to select one or more members after the hierarchy of members has been modified.

10

13. The system of Claim 12, wherein determining the sequence of actions comprises receiving input of a user from a member selection interface, the member selection interface including the member selection tree from which the user may select one or more members.

15

14. The system of Claim 12, wherein one or more of the actions comprise selecting the dimension from which members are to be selected.

20

15. The system of Claim 12, wherein one or more of the actions comprise

selecting the hierarchy from which members are to be selected.

25 16. The system of Claim 12, wherein one or more of the actions comprise selecting or deselecting one or more levels of the hierarchy from which members are to be selected, the members being selectable only from selected levels.

17.

The system of Claim 12, wherein:

one or more of the actions comprise expanding a member to view the children of the member; and

the selection of an expanded member causing only the selection of the 30 expanded member.

18. The system of Claim 12, wherein:
- one or more of the actions comprise collapsing a member to hide the children of the member; and
- the selection of a collapsed member causing the selection of the expanded member and the children of the expanded member.
- 5
19. The system of Claim 12, wherein one or more of the actions comprise selecting or deselecting one or more members from the hierarchy.
- 10 20. The system of Claim 12, wherein the one or more actions are recorded in the member selection script using one or more commands, the commands and one or more parameters associated with each command identifying the one or more actions.
- 15 21. The system of Claim 12, further operable to automatically generate the member selection script based on input received from a user using a member selection interface.
- 16  
15  
14  
13  
12  
11  
10  
9  
8  
7  
6  
5  
4  
3  
2  
1

22. Software for selecting members in a hierarchy, the software embodied in a computer-readable medium and, when executed, operable to:

determine a sequence of one or more actions associated with a member selection tree, the actions collectively selecting one or more members from a

5 hierarchy of members, the hierarchy of members being associated with a particular dimension of an organization of data;

record the sequence of actions in a member selection script; and

execute the member selection script to select one or more members after the hierarchy of members has been modified.

10

23. The software of Claim 22, wherein determining the sequence of actions comprises receiving input of a user from a member selection interface, the member selection interface including the member selection tree from which the user may select one or more members.

15

24. The software of Claim 22, wherein one or more of the actions comprise selecting the dimension from which members are to be selected.

20

25. The software of Claim 22, wherein one or more of the actions

comprise selecting the hierarchy from which members are to be selected.

26. The software of Claim 22, wherein one or more of the actions comprise selecting or deselecting one or more levels of the hierarchy from which members are to be selected, the members being selectable only from selected levels.

25

27. The software of Claim 22, wherein:

one or more of the actions comprise expanding a member to view the children of the member; and

30

the selection of an expanded member causing only the selection of the expanded member.

28. The software of Claim 22, wherein:

one or more of the actions comprise collapsing a member to hide the children of the member; and

the selection of a collapsed member causing the selection of the expanded member and the children of the expanded member.

29. The software of Claim 22, wherein one or more of the actions comprise selecting or deselecting one or more members from the hierarchy.

10 30. The software of Claim 22, wherein the one or more actions are recorded in the member selection script using one or more commands, the commands and one or more parameters associated with each command identifying the one or more actions.

15 31. The software of Claim 22, further operable to automatically generate the member selection script based on input received from a user using a member selection interface.